

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant: Tan Du et al.

Filed: Herewith

For: METHOD AND APPARATUS FOR MODELING MASS STORAGE DISK  
DRIVE MOTORSINFORMATION DISCLOSURE STATEMENT #2

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, pending applications, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120:

Serial No.: \_\_\_\_\_  
Filing Date: \_\_\_\_\_

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

(a)  Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.

(b)  Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

(a)  Within 3 months of the filing date or date of entry into the National Stage.

(b)  Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0668 for consideration of this Statement.

(c)  Before the mailing date of a first Office Action on the merits after a first or second submission under 37 C.F.R. 1.129(a).

(d)  After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.

(1)  The required certification is given below, or

(2)  Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or

(3)  Charge the fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 20-0668

(e)  After the mailing date of either a final action or a notice of allowance, but before payment of the issue fee. Petition hereby is made for consideration of this Statement and the required certification is indicated below.

(1)  Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(i)(1), or

(2)  Charge the fee set forth in 37 C.F.R. 1.17(i)(1) to Deposit Account No. 20-0668.

4. Certification (if applicable)

(a)  The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.

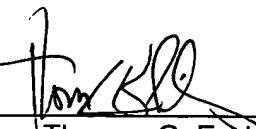
(b)  The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.

5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 20-0668.

Respectfully Submitted,

AMIN, ESCHWEILER & TUROCY, LLP

By



\_\_\_\_\_  
Thomas G. Eschweiler  
Reg. No. 36,981

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1900 East 9<sup>th</sup> Street  
Cleveland, Ohio 44114  
(216) 696-8730

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this paper, and the documents referred to as attached or enclosed, are being deposited with the United States Postal Service on the date set forth below in an envelope as "Express Mail Post Office to Addressee" service under 37 CFR 1.10, with the below indicated mailing label number, addressed to the Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231.

Date: July 27, 2000



\_\_\_\_\_  
Christine Gillroy

Mailing Label Number: EL550249899US

USPTO  
09/02/2022  
1c869

|   |  |                 |            |
|---|--|-----------------|------------|
| Form PTO-1449 (Modified)  |  | Atty Docket No. | Serial No. |
| <b>LIST OF PATENTS AND PUBLICATIONS<br/>FOR APPLICANT'S<br/>INFORMATION DISCLOSURE STATEMENT</b><br><br>(Use several sheets if necessary) |  | TI-31084        |            |
|   |  | Applicant:      |            |
|   |  | Tan Du et al.   |            |
|   |  | Filing Date     | Group      |
|   |  | Herewith        |            |

## U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date     | Name            | Class | Sub-class | Filing Date if Appropriate |
|------------------|-----------------|----------|-----------------|-------|-----------|----------------------------|
|                  | 4,772,839       | 09/20/88 | MacMinn et al.  |       |           |                            |
|                  | 5,028,852       | 07/02/91 | Dunfield        |       |           |                            |
|                  | 5,057,753       | 10/15/91 | Leuthold et al. |       |           |                            |
|                  | 5,191,270       | 03/02/93 | McCormack       |       |           |                            |
|                  | 5,327,053       | 07/05/94 | Mann et al.     |       |           |                            |
|                  | 5,382,889       | 01/17/95 | Peters et al.   |       |           |                            |
|                  | 5,384,527       | 01/24/95 | Rozman et al.   |       |           |                            |
|                  | 5,530,326       | 06/25/96 | Galvin et al.   |       |           |                            |
|                  | 5,600,218       | 02/04/97 | Holling et al.  |       |           |                            |
|                  | 5,990,643       | 11/23/99 | Holling et al.  |       |           |                            |

## FOREIGN PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Country | Class | Sub-class | Translation |    |
|------------------|-----------------|------|---------|-------|-----------|-------------|----|
|                  |                 |      |         |       |           | Yes         | No |
|                  |                 |      |         |       |           |             |    |

## OTHER ART

|                  |  |
|------------------|--|
| Examiner Initial | Author, Title, Date, Pertinent Pages, etc. |
|                  |  |

|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Information Disclosure Statement PTO-1449 (Modified)

The identification of any reference is not intended to be, and should not be understood as being, an admission that such publication, in fact, constitutes "prior art" within the meaning of applicable law since, for example, a given reference may have a later effective date than first seems apparent or the reference may have an effective date which can be antedated. The "prior art" status of any reference is a matter to be resolved during prosecution.  
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2000

*Patent fees are subject to annual revision.  
Small Entity payments must be supported by a small entity statement,  
otherwise large entity fees must be paid. See Forms PTO/SB/09-12.  
See 37 C.F.R. §§ 1.27 and 1.28.*

TOTAL AMOUNT OF PAYMENT (\$ 1,084.00)

*Compl t If Known*

|                      |               |
|----------------------|---------------|
| Application Number   |               |
| Filing Date          |               |
| First Named Inventor | Tan Du et al. |
| Examiner Name        |               |
| Group / Art Unit     |               |
| Attorney Docket No.  | TI-31084      |

**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **20-0668**

Deposit Account Name **Texas Instruments Inc.**

Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

2.  Payment Enclosed:

Check  Money Order  Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description        | Fee Paid   |
|---------------|---------------|------------------------|------------|
| 101 690       | 201 345       | Utility filing fee     | <b>690</b> |
| 106 310       | 206 155       | Design filing fee      |            |
| 107 480       | 207 240       | Plant filing fee       |            |
| 108 690       | 208 345       | Reissue filing fee     |            |
| 114 150       | 214 75        | Provisional filing fee |            |

**SUBTOTAL (1) (\$ 690.00)****2. EXTRA CLAIM FEES**

| Total Claims         | Extra Claims | Fee from below | Fee Paid |
|----------------------|--------------|----------------|----------|
| 31                   | -20** = 11   | x 18           | = 198    |
| Independent Claims 5 | - 3** = 2    | x 78           | = 156    |
| Multiple Dependent   |              |                |          |

\*\*or number previously paid, if greater; For Reissues, see below

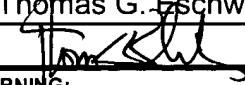
Large Entity Small Entity

| Fee Code (\$) | Fee Code (\$) | Fee Description  |
|---------------|---------------|--|
| 103 18        | 203 9         | Claims in excess of 20                                     |
| 102 78        | 202 39        | Independent claims in excess of 3                          |
| 104 260       | 204 130       | Multiple dependent claim, if not paid                      |
| 109 78        | 209 39        | ** Reissue independent claims over original patent         |
| 110 18        | 210 9         | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2) (\$ 354.00)****3. ADDITIONAL FEES**

| Large Entity Fee Code (\$) | Small Entity Fee Code (\$) | Fee Description  | Fee Paid     |
|----------------------------|----------------------------|--|--------------|
| 105 130                    | 205 65                     | Surcharge - late filing fee or oath  |              |
| 127 50                     | 227 25                     | Surcharge - late provisional filing fee or cover sheet                     |              |
| 139 130                    | 139 130                    | Non-English specification  |              |
| 147 2,520                  | 147 2,520                  | For filing a request for reexamination                                     |              |
| 112 920*                   | 112 920*                   | Requesting publication of SIR prior to Examiner action                     |              |
| 113 1,840*                 | 113 1,840*                 | Requesting publication of SIR after Examiner action                        |              |
| 115 110                    | 215 55                     | Extension for reply within first month                                     |              |
| 116 380                    | 216 190                    | Extension for reply within second month                                    |              |
| 117 870                    | 217 435                    | Extension for reply within third month                                     |              |
| 118 1,360                  | 218 680                    | Extension for reply within fourth month                                    |              |
| 128 1,850                  | 228 925                    | Extension for reply within fifth month                                     |              |
| 119 300                    | 219 150                    | Notice of Appeal   |              |
| 120 300                    | 220 150                    | Filing a brief in support of an appeal                                     |              |
| 121 260                    | 221 130                    | Request for oral hearing   |              |
| 138 1,510                  | 138 1,510                  | Petition to institute a public use proceeding                              |              |
| 140 110                    | 240 55                     | Petition to revive - unavoidable   |              |
| 141 1,210                  | 241 605                    | Petition to revive - unintentional   |              |
| 142 1,210                  | 242 605                    | Utility issue fee (or reissue)   |              |
| 143 430                    | 243 215                    | Design issue fee   |              |
| 144 580                    | 244 290                    | Plant issue fee  |              |
| 122 130                    | 122 130                    | Petitions to the Commissioner  |              |
| 123 50                     | 123 50                     | Petitions related to provisional applications                              |              |
| 126 240                    | 126 240                    | Submission of Information Disclosure Stmt                                  |              |
| 581 40                     | 581 40                     | Recording each patent assignment per property (times number of properties) | <b>40.00</b> |
| 146 690                    | 246 345                    | Filing a submission after final rejection (37 CFR § 1.129(a))              |              |
| 149 690                    | 249 345                    | For each additional invention to be examined (37 CFR § 1.129(b))           |              |
| Other fee (specify) _____  |                            |  |              |
| Other fee (specify) _____  |                            |  |              |

Reduced by Basic Filing Fee Paid **SUBTOTAL (3) (\$ 40.00)****SUBMITTED BY**

|                   |   |                                   |        |           |               |
|-------------------|---|-----------------------------------|--------|-----------|---------------|
| Name (Print/Type) | Thomas G. Eschweiler  | Registration No. (Attorney/Agent) | 36,981 | Telephone | (216)696-8730 |
| Signature         |  |                                   |        | Date      | 7/27/00       |

**WARNING:**

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.